

REMARKS

Claims 1-6, 10-24, 26-53, 55, 57 and 58 are now pending.

Claim 1 was amended to include the limitations of previous claim 9.

Claim 12 was amended to depend from claim 1.

Claim 13 was amended to independent form including all of the limitations of the base claim from which it depended thereby bringing claim 13 into condition for allowance and claim 14 by dependence from claim 13.

Claim 17 was amended to independent form including all of the limitations of the base claim from which it depended thereby bringing claim 17 into condition for allowance.

Claim 22 was amended to independent form including all of the limitations of the base claim from which it depended thereby bringing claim 22 into condition for allowance.

Claim 42 was amended to independent form including all of the limitations of the base claim from which it depended thereby bringing claim 42 into condition for allowance. Claims 26-29, 31, 34-36, 44, 47, 48 and 50-53 were amended to depend from claim 42. Claims 26-45 and 47-53 are now patentable for, at least, the same reasons as claim 42.

Claim 46 was amended to independent form including all of the limitations of the base claim from which it depended thereby

bringing claim 46 into condition for allowance. Claims 57 and 58 are newly entered claims depending from claim 46 and are therefore believed to be patentable for, at least, the same reasons as claim 46. Support for claims 57 and 58 are provided in original claims 48 and 49.

Claim 55 was previously allowed.

Claims 13, 14, 17, 22, 26-53, 55 and 57-58 are in condition for allowance for the reasons of record.

Pending claims 1-6, 10-12, 15, 16 and 18-21, 23 and 24 are discussed further herein.

Rejections Under 35 U.S.C. 103

Claims 1-6, 8-12, 15, 16, 18, 21, 23, 24, 54 and 56 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kamata et al. (USP 6,110,987) in view of Nguyen et al. (USP 6,664,024).

Claims 8, 9, 54 and 56 have been cancelled and all rejections directed thereto are moot.

Kamata et al. and Nguyen et al. have been discussed previously and all comments already a matter of record are applicable herein.

Claim 1 has been amended to specifically recite that the colorant is a pigment.

Referring to col. 13, lines 61 to 64, Kamata et al. states that in the absence of a cationic dye inadequate curing is observed. Therefore, one of skill in the art would be led away from the invention of claim 1 wherein a pigment is used as the colorant due to the expectation of inadequate polymerization.

Nguyen et al. is directed towards colorless liquid photocurable compositions. Nguyen et al. teaches that colorants deteriorate the mechanical and thermal properties (col. 1, lines 61-67) and therefore they rely, instead, on color generating compounds.

In summary, Kamata et al. teaches that one must have cationic dyes to achieve adequate polymerization and Nguyen et al. teaches that colorants cause deterioration. If one of skill in the art relied on the summation of these teachings they would be expected to, at best, optimize the amount of cationic dyes. There would be no motivation to even consider pigments based on expectation of inadequate polymerization and deterioration. Therefore, the rejection based on a motivated combination of Kamata et al. and Nguyen et al. is improper since the teaching is actually contrary to the invention of claim 1.

Claims 2-6, 10-12, 15, 16, 18, 21, 23 and 24 all ultimately depend from claim 1 and are therefore patentable for, at least, the same reasons as claim 1.

Claims 19 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kamata et al. (USP 6,110,987) in view of Nguyen et al. (USP 6,664,024) as applied to claim 1 above and further in view of Wolk et al. (USP 6,140,009) and Lee et al. (USP 2004/0162397).

Claims 19 and 20 ultimately depend from claim 1. The comments related to the inapplicability of Kamata et al. in view of Nguyen et al. set forth above are equally applicable herein.

Wolk is cited as disclosing the conductive polymers of claims 19 and 20. Wolk fails to mitigate the deficiencies of the primary references with which it is combined.

Lee is cited as providing further teachings related to the conductive polymers. Lee also fails to mitigate the deficiencies of the primary references with which it is combined.

Neither Wolk nor Lee mitigate the deficiencies of Kamata et al. taken in view of Nguyen et al. The failure of either reference, or the combination of the references, to mitigate the deficiencies of the primary references renders the rejection improper. Withdrawal is respectfully requested.

Claims 25-41, 44, 45, 47, 50, 52 and 53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kamata et al. (USP 6,110,987) in view of Nguyen et al. (USP 6,664,024) and further in view of Chieng (USP 4,978,969).

Claim 25 has been cancelled thereby rendering the rejection directed thereto moot.

Claims 26-41, 44, 45, 47, 50, 52 and 53 have been amended to depend from claim 42 which was previously considered to be in condition for allowance. The rejection of these claims is rendered moot by amendment.

Claims 48 and 49 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kamata et al. (USP 6,110,987) in view of Nguyen et al. (USP 6,664,024) and Chieng (USP 4,978,969) as applied to claim 25 above and further in view of Wolk et al. (USP 6,140,009) and Lee et al. (USP 2004/0162397).

Claims 48 and 49 have been amended to depend from claim 42 which was previously considered to be in condition for allowance. The rejection of these claims is rendered moot by amendment.

Allowable Claims

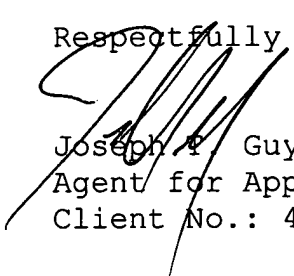
Claims 13, 14, 17, 22, 42, 43, 46 and 51 are objected to as being dependent upon a rejected base claim.

Claims 13, 17, 22, 42 and 46 have been amended to independent form. Claims 43 and 51 are dependent upon claim 42 and are therefore patentable for the same reasons as claim 42.

CONCLUSIONS

Claims 1-6, 10-24, 26-53, 55, 57 and 58 are now pending in the present application. All rejections have been traversed or rendered moot and all claims are believed to be in condition for allowance. Notice thereof is respectfully requested.

Respectfully submitted,


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